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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

TI-35285

First Inventor

Keerthinarayan P. Heragu

Title

Self-Timed Strobe Generator and Method for Use with Multi-Strobe  
Random Access Memories to Increase Memory Bandwidth

Express Mail Label No.

EU381662464US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

**ADDRESS TO:**Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

- |  |  |  |
|--|--|--|
| 1. <input checked="" type="checkbox"/>   | Fee Transmittal Form (e.g., PTO/SB/17)<br>(Submit an original, and a duplicate for fee processing)   | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)  |
| 2. <input type="checkbox"/>  | Applicant claims small entity status.<br>See 37 CFR 1.27.  | 8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission<br>(if applicable, all necessary)   |
| 3. <input checked="" type="checkbox"/>   | Specification<br>(preferred arrangement set forth below) <ul style="list-style-type: none"> <li>- Descriptive title of the Invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (if filed)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> | a. <input type="checkbox"/> Computer Readable Form (CRF)   |
| 4. <input checked="" type="checkbox"/>   | Drawing(s) /35 U.S.C. 113) Sheets  | b. <input type="checkbox"/> Specification Sequence Listing on: <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li> <li>ii. <input type="checkbox"/> paper</li> </ul> |
| 5. <input type="checkbox"/>  | Oath or Declaration Pages  | c. <input type="checkbox"/> Statements verifying identity of above copies  |
| a. <input checked="" type="checkbox"/>   | Newly Executed (original or copy)  | 9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & documents(s))  |
| b. <input type="checkbox"/>  | Copy from a prior application (37 CFR 1.63(d))<br>(for continuation/divisional with Box 18 completed)  | 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement<br>(when there is an assignee) <input checked="" type="checkbox"/> Power of Attorney   |
| i. <input type="checkbox"/>  | <b>DELETION OF INVENTOR(S)</b><br>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  | 11. <input type="checkbox"/> English Translation Document (if applicable)  |
| 6. <input type="checkbox"/>  | Application Data Sheet. See 37 CFR 1.76  | 12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations  |
| 13. <input type="checkbox"/> Preliminary Amendment   |  |  |
| 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br>(Should be specifically itemized)                                  |  |  |
| 15. <input type="checkbox"/> Certified Copy of Priority Document(s)<br>(if foreign priority is claimed)  |  |  |
| 16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. |  |  |
| 17. <input type="checkbox"/> Other:  |  |  |

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation       Divisional       Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_ / \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_  
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 6b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.**19. CORRESPONDENCE ADDRESS**

Customer Number or Bar Code Label

23494

(Insert Customer No. or Attach bar code label here)

or  Correspondence address below

NAME	Texas Instruments Incorporated		
ADDRESS			
CITY	STATE	ZIP CODE	
COUNTRY	TELEPHONE	(972) 917-5466	FAX (972) 917-4418

Name (Print/Type) Alan K. Stewart (Reg. No. 35,373) by Charles A. Rattner (Reg. No. 40,136)

Signature

Date

August 5, 2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

08/05/03

# FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

Express Mailing Label No.: EU381662464US

TOTAL AMOUNT OF PAYMENT (\$ 790)

Complete If Known	
Application Number	
Filing Date	August 5, 2003
First Named Inventor	Keerthinarayan P. Heragu
Examiner Name	
Group Art Unit	
Attorney Docket No.	TI-35285

## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number	20-0668
Deposit Account Name	Texas Instruments Incorporated

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status. See 37 CFR 1.27

2.  Payment Enclosed:

Check  Credit card  Money Order  Other

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001	750	Utility filing fee	\$750
1002	330	Design filing fee	
1003	510	Plant filing fee	
1004	740	Reissue filing fee	
1005	160	Provisional filing fee	
<b>SUBTOTAL (1)</b>			<b>(\$750)</b>

## 2. EXTRA CLAIM FEES

Total Claims	Claims		Fee from below	Fee Paid			
	20	-20** =	X	X	18	=	
Independent Claims	2	-3** =	X	X	84	=	
Multiple Dependent					270	=	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1202	18	Claims in excess of 20	
1201	84	Independent claims in excess of 3	
1203	280	Multiple dependent claim, if not paid	
1204	84	**Reissue independent claims over original patent	
1205	18	**Reissue claims in excess of 20 and over original patent	
<b>SUBTOTAL (2) (\$)</b>			

\*\*or number previously paid, if greater; For Reissue, see above

## FEE CALCULATION (continued)

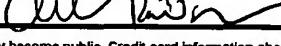
## 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051	130	Surcharge - late filing fee of oath	
1052	50	Surcharge - late provisional filing fee or cover sheet	
1053	130	Non-English specification	
1812	2,520	For filing a request for ex parte reexamination	
1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	Extension for reply within first month	
1252	400	Extension for reply within second month	
1253	920	Extension for reply within third month	
1254	1,440	Extension for reply within fourth month	
1255	1,960	Extension for reply within fifth month	
1401	320	Notice of Appeal	
1402	320	Filing a brief in support of an appeal	
1403	280	Request for oral hearing	
1451	1,510	Petition to institute a public use proceeding	
1452	110	Petition to revive - unavoidable	
1453	1,280	Petition to revive - unintentional	
1501	1,280	Utility issue fee (or reissue)	
1502	460	Design issue fee	
1503	620	Plant issue fee	
1460	130	Petitions to the Commissioner	
1807	50	Petitions related to Pro/Vis Apps (Proc. Fee under 37 CFR 1.17(q))	
1806	180	Submission of information Disclosure Stmt	
8021	40	Recording each patent assignment per property (times no. of properties)	40
1809	740	Filing a submission after final rejection (37 CFR §1.129(a))	
1810	740	For each additional invention to be examined (37 CFR §1.129(b))	
1801	740	Request for Continued Examination (RCE)	
1802	900	Request for expedited examination of a design application	
Other fee (specify)			

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40)

Completed (if applicable)

SUBMITTED BY	Completed (if applicable)		
Name (Print/Type)	Alan K. Stewart, Reg. No. 35,373	by Charles A. Rattner, Reg. No. 40,136	Phone (972) 917-5466
Signature		Date	August 5, 2003

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Attorney Docket No. TI-35285  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**APPLICANT:** Keerthinarayan P. HERAGU et al.

**SERIAL NO.:**

**FILING DATE:** 08/05/2003

**TITLE:** SELF-TIMED STROBE GENERATOR AND METHOD FOR USE WITH MULTI-STROBE RANDOM ACCESS MEMORIES TO INCREASE MEMORY BANDWIDTH

Commissioner for Patents  
P.O. Box 1450  
Washington, D.C. 20231

**EXPRESS MAIL CERTIFICATE**

Express Mail label number: EU 381662464 US

Date of Deposit: 08/05/2003

I hereby state that the following *attached* papers or fees

Utility Patent Application Transmittal Letter (1 pp.)  
Fee Transmittal Letter (1 pp.)  
Declaration (1 pp.)  
Assignment and Recordation Cover Sheet (2 pp.)  
Specification (16 pp.)  
Figures (2 pp, FIGS. 1-4)  
Information Disclosure Statement and Copies of 3 references (46 pp.)  
Return Receipt Postcard (2)

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, on the date indicated above and is addressed to the Commissioner for Patents, Box Patent Application, Washington, D.C. 20231.

Charles A Rattner (PTO Reg. No. 40,136)

  
\_\_\_\_\_  
Signature